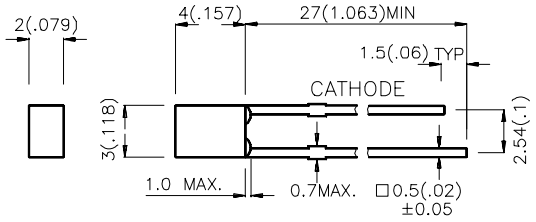
查询E914供应商

Package Dimensions



Notes:
1. All dimensions are in millimeters (inches).
2. Tolerance is ±0.25(0.01") unless otherwise noted.
3. Lead spacing is measured where the lead emerge package.
4. Specifications are subject to change without notice.

2 x 3mm RECTANGULAR SOLID LAMPS

E914Ix	HIGH EFFICIENCY RED
E914ED	ORANGE
E914ET	HIGH EFFICIENCY RED
E914Gx	GREEN
E914Ax	YELLOW
E914PGT	PURE GREEN

Features

1.LOW POWER CONSUMPTION.

2.ULTRA BRIGHTNESS IS AVAILABLE .

3.RELIABLE AND RUGGED.

4.EXCELLENT UNIFORMITY OF LIGHT OUTPUT.

5.SUITABLE FOR LEVEL INDICATOR.

6.LONG LIFE - SOLID STATE RELIABILITY.

Description

The High Efficiency Red and Orange source color devices are made with Gallium Arsenide Phosphide on Gallium Phosphide Orange Light Emitting Diode.

The Green source color devices are made with Gallium Phosphide Green Light Emitting Diode.

The Yellow source color devices are made with Gallium Arsenide Phosphide on Gallium Phosphide Yellow Light Emitting Diode.

The Pure Green source color devices are made with Gallium Phosphide Pure Green Light Emitting Diode.

Selection Guide

Part No.	Emitting Color +Material	λD(nm)	Lens Type	Iv (mcd) @ 10 mA		Viewing Angle
				Min.	Typ.	2θ1/2
E914ID	GaAsP/GaP	625	RED DIFFUSED	2	8	100°
E914IT	GaAsP/GaP	625	RED TRANSPARENT	3	8	90°
E914ED	GaAsP/GaP	625	ORANGE DIFFUSED	2	8	100°
E914ET	GaAsP/GaP	625	ORANGE TRANSPARENT	3	8	90°
E914GD	GaP	568	GREEN DIFFUSED	2	6	100°
E914GT	GaP	568	GREEN TRANSPARENT	3	8	90°
E914AD	GaAsP/GaP	588	AMBER DIFFUSED	2	5	100°
E914AT	GaAsP/GaP	588	AMBER TRANSPARENT	2	7	90°
E914PGT	GaP	555	GREEN TRANSPARENT	0.5	1	90°

Note:
1. θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

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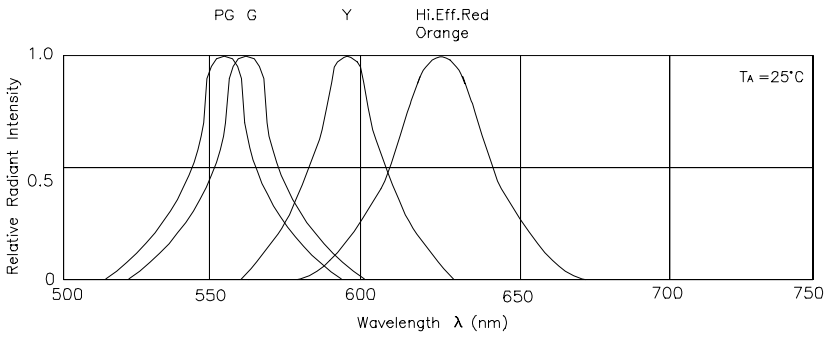
Electrical / Optical Characteristics at T_A=25°C

Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	High Efficiency Red Orange Green Yellow Pure Green	627 627 565 590 555		nm	I_F=20mA
λD	Dominate Wavelength	High Efficiency Red Orange Green Yellow Pure Green	625 625 568 588 555		nm	I_F=20mA
Δλ1/2	Spectral Line Halfwidth	High Efficiency Red Orange Green Yellow Pure Green	45 45 30 35 30		nm	I_F=20mA
C	Capacitance	High Efficiency Red Orange Green Yellow Pure Green	15 15 15 20 45		pF	V_F=0V;f=1MHz
V_F	Forward Voltage	High Efficiency Red Orange Green Yellow Pure Green	2.0 2.0 2.0 2.1 2.25	2.5 2.5 2.5 2.5 2.5	V	I_F=20mA
I_R	Reverse Current	All		10	uA	V_R = 5V

Absolute Maximum Ratings at T_A=25°C

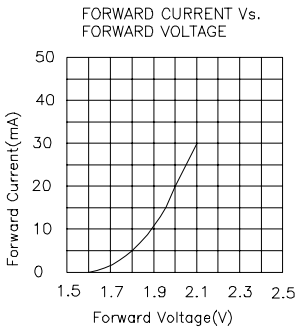
Parameter	High Efficiency Red	Orange	Green	Yellow	Pure Green	Units
Power dissipation	105	105	105	105	105	mW
DC Forward Current	30	30	25	30	25	mA
Peak Forward Current [1]	160	160	140	140	135	mA
Reverse Voltage	5	5	5	5	5	V
Operating/Storage Temperature	-40°C To +85°C					
Lead Soldering Temperature [2]	260°C For 5 Seconds					

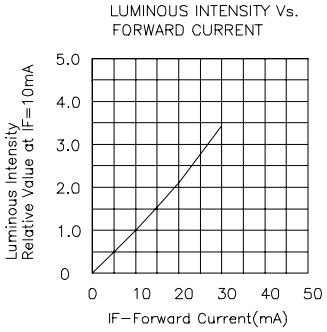
Notes:
1. 1/10 Duty Cycle, 0.1ms Pulse Width.
2. 4mm below package base.

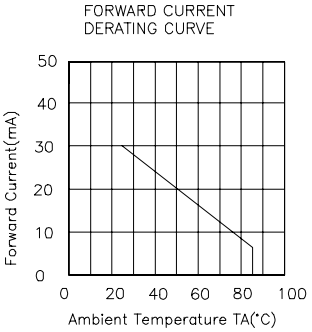


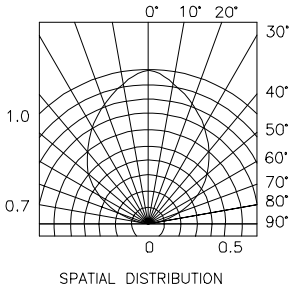
RELATIVE INTENSITY Vs. WAVELENGTH

High Efficiency Red E914ID

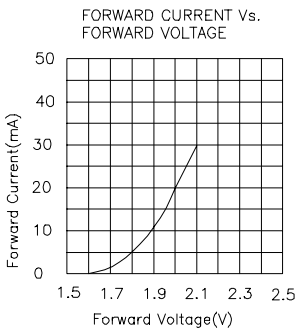


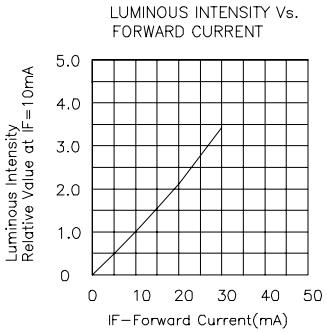


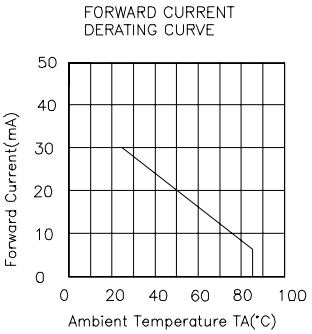


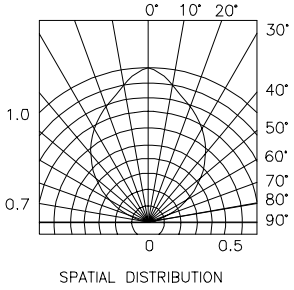


High Efficiency Red E914IT









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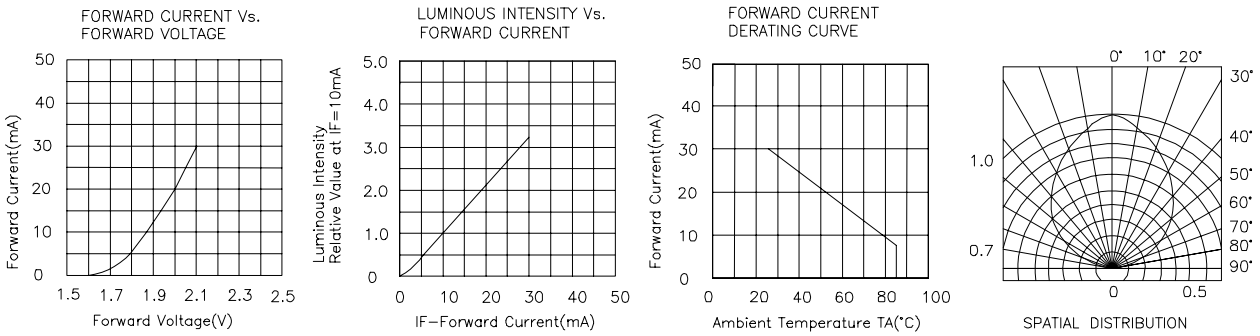
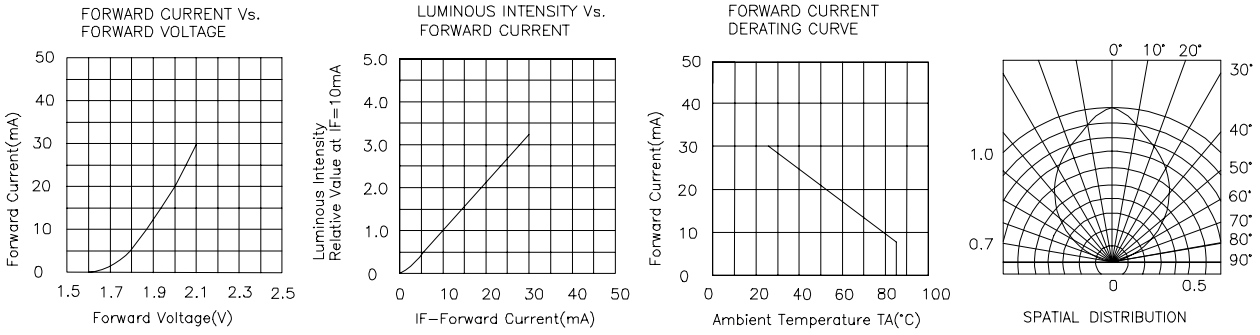
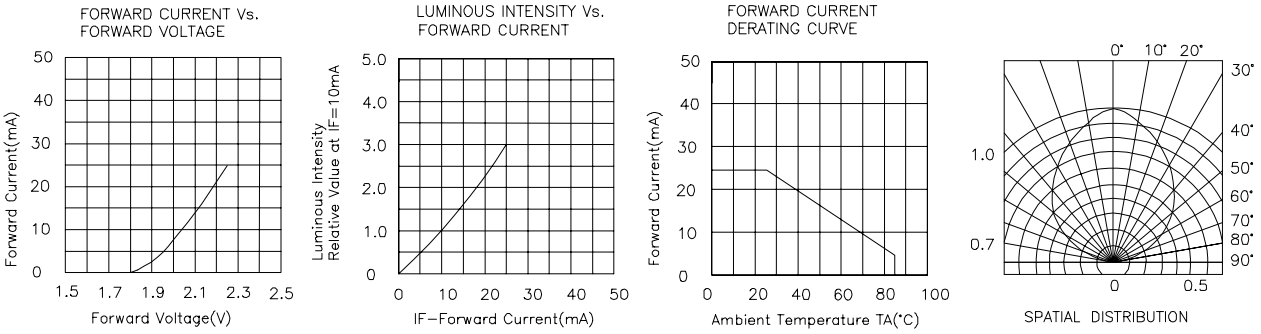
Orange E914ED



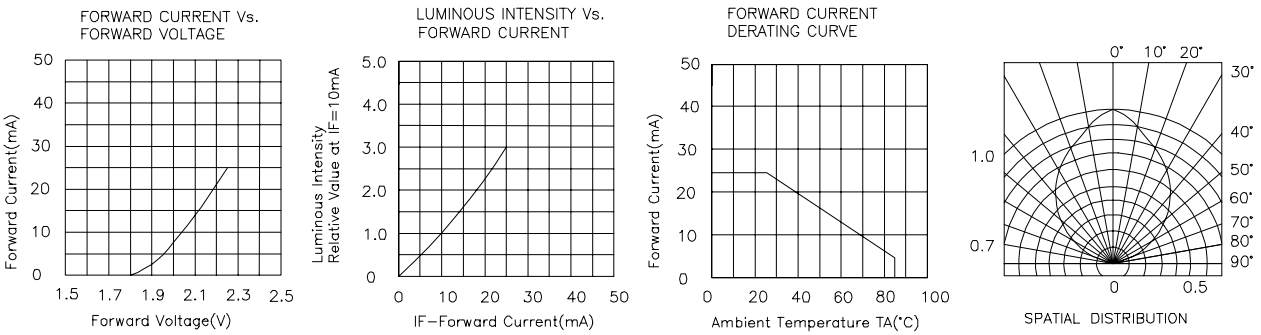
High Efficiency Red E914ET



Green E914GD



Green E914GT



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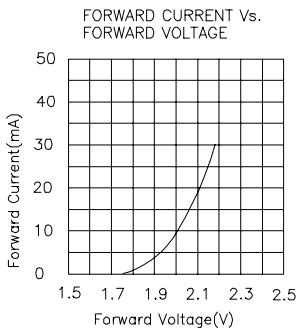
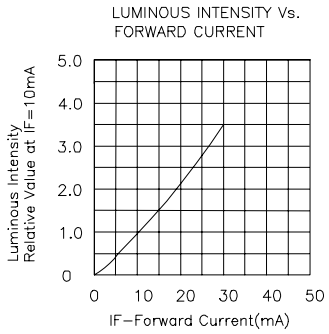
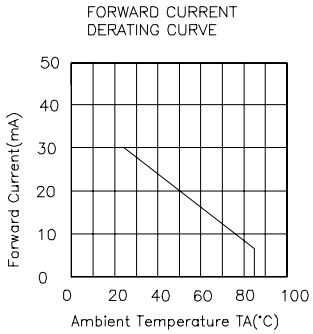
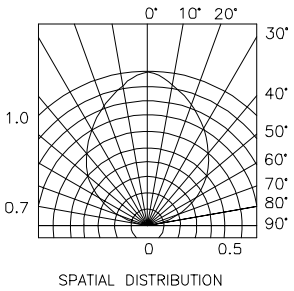
Yellow E914AD

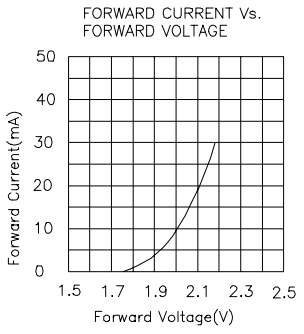


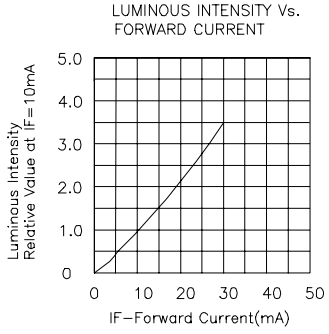


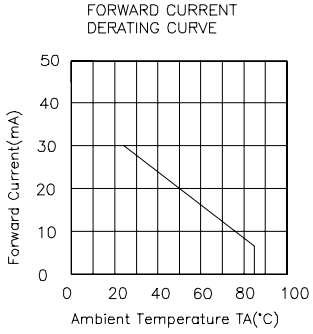


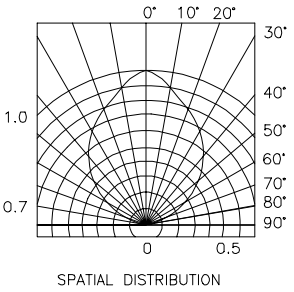


Yellow E914AT

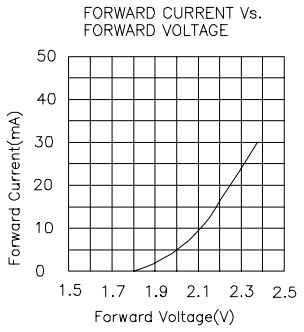


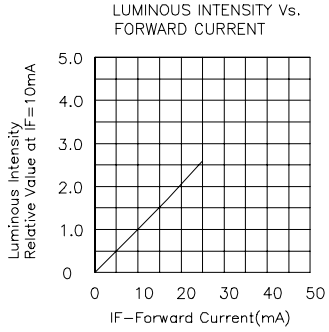


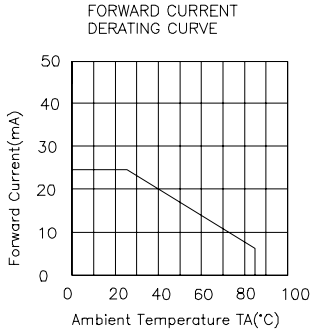


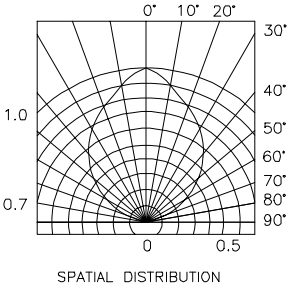


Pure Green E914PGT









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